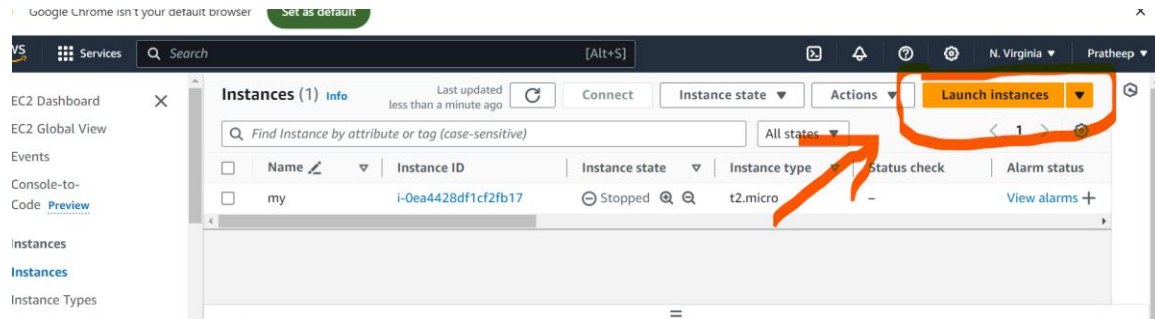


EC2(Elastic Compute Cloud) Instance

An amazon ec2 instance is a virtual server which is used to run and deploy an application, website without a need of physical hardware. It can be customized based on the workload on these areas like cpu, memory, ram, os.

How to create an ec2 instance:

=> Go to EC2 instance tab, click Launch instance



=>Give a name to your instance

Launch an instance [Info](#)

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags [Info](#)

Name

[Add additional tags](#)

=>Select the OS you want, you can also create your own AMI(amazon machine image)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

 Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon
Linux

aws

macOS



Ubuntu

ubuntu

Windows

Microsoft

Red Hat

Red Hat



[Browse more AMIs](#)

Including AMIs from
AWS, Marketplace and
the Community

=> Now, you have to select the instance which has the structure of your server like, no. of cpu's

▼ Instance type [Info](#) | [Get advice](#)

Instance type

t2.micro

Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.026 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

☒ All generations

[Compare instance types](#)

[Additional costs apply for AMIs with pre-installed software](#)

=>In this step, you have to create or re-use the existing key pair to the instance it's like a security key to launch your instance

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

Select



[Create new key pair](#)

To create a key pair

Key pair name
Key pairs allow you to connect to your instance securely.

Enter key pair name

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type


☒ **RSA**
RSA encrypted private and public key pair

☐ **ED25519**
ED25519 encrypted private and public key pair

Private key file format

☒ **.pem**
For use with OpenSSH

☐ **.ppk**
For use with PuTTY

 When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [Learn](#)

Cancel **Create key pair**

You choose .pem for window os and .ppk for linux os

=>Network setting, in this step you can configure your VPC, Subnet, Security group. You can change all the default setting by clicking " edit " option right side corner.

▼ Network settings [Info](#)

VPC - required [Info](#)

vpc-0f0f130b52369946c
172.31.0.0/16

(default) ▼

↻

Subnet [Info](#)

No preference ▼

↻

Create new subnet [↗](#)

Auto-assign public IP [Info](#)

Enable ▼

Additional charges apply when outside of free tier allowance

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☐ Create security group

☒ Select existing security group

If you want to create a new security group can go here and create your own

▼ Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

▼ Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

▼ Load Balancing

Load Balancers

Target Groups

Trust Stores [New](#)

=>Configure storage, In this you can customize the storage of your server based on the budget

▼ **Configure storage** [Info](#)

Advanced

1x GiB ▼ Root volume (Not encrypted)

ⓘ Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

×

Add new volume

🕒 Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

↻

0 x File systems

Edit

And finally click Launch instance

🕒 Click refresh to view backup information

The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

↻

0 x File systems

Edit

► **Advanced details** [Info](#)

public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Review commands

